

Converting Colors

CIELCh(75, 39.996, 235.400)

Have a look what the booklet for
CIELCh(75, 39.996, 235.400)
contains.

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Color

CIELCh(75, 39.971, 235.390)

Conversions

Conversions Part 1

Format	Color
Hex	36C7F4
RGB	54, 199, 244
RGB Percent	21%, 78%, 96%
CMY	0.7868, 0.2188, 0.0423
CMYK	0.78, 0.18, 0.00, 0.04
HSL	194°, 90%, 59%
HSV	194°, 78%, 96%
XYZ	38.3713, 48.2781, 93.0505
YIQ	160.7750, -100.8650, -16.7450

Conversions

Conversions Part 2

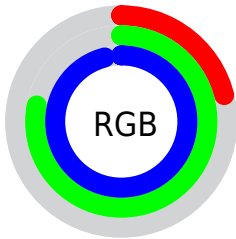
Format	Color
RYB	54, 136, 244
Decimal	3590132
CIELab	75.00, -22.70, -32.90
CIELCh	75, 39.971, 235.390
Yxy	48.2781, 0.2135, 0.2687
Android (android.graphics.Color)	4281780212 (0xFF36C7F4)
YUV	160.7750, 41.0299, -93.6417
Hunter-Lab	69.4824, -23.0185, -30.7631

Details

The CIELCh color **75, 39.971, 235.390** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **60, 74.701, 44.455**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 36.655, 197.170**, and **56, 35.635, 241.830** is the 20% darker color. If you saturate the color by 10%, you get **73, 42.022, 239.058**, and if you desaturate by 10%, it is **77, 37.198, 232.404**.

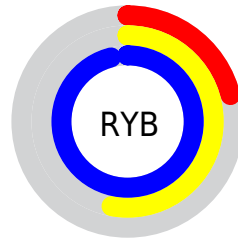
Distribution



Red (21%)

Green (78%)

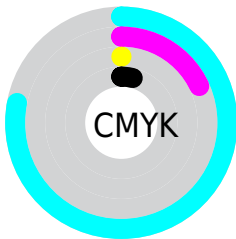
Blue (96%)



Red (21%)

Yellow (53%)

Blue (96%)

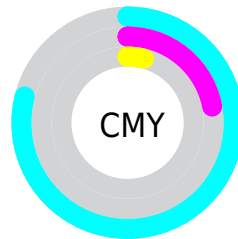


Cyan (78%)

Magenta (18%)

Yellow (0%)

Black (4%)



Cyan (79%)


Magenta (22%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 39.971, 235.390 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 75, 39.971, 235.390 by changing the saturation by 10% instead.


 75, 39.971,
235.390


 75, 39.971,
235.390


 100, 39.971,
235.390


 65, 39.971,
235.390


 95, 39.971,
235.390

 55, 39.971,
235.390

 45, 39.971,
235.390

 35, 39.971,
235.390

 25, 39.971,
235.390

 15, 39.971,
235.390

 5, 39.971, 235.390

0, 39.971, 235.390

75, 39.971,
235.390

75, 39.971,
235.390

73, 42.022,
239.058

77, 37.198,
232.404

71, 43.538,
243.399

80, 33.632,
230.030

71, 43.868,
244.416

82, 29.274,
228.175

85, 24.182,
226.748

88, 18.446,
225.666

91, 12.167,
224.864

■ 94, 5.445, 224.321

■ 97, 1.625, 43.387

■ 99, 3.817, 89.837

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75, 39.971, 235.390



60, 74.701, 44.455

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 39.971, 235.390



75, 39.971, 285.390



75, 39.971, 55.390



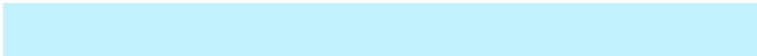
75, 39.971, 105.390

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75, 39.970, 235.390



93, 16.087, 225.259



85, 92.893, 142.868



48, 11.005, 225.568



0, 0.000, 0.000



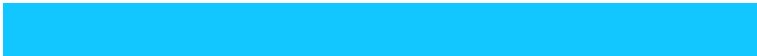
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75, 39.970, 235.390



75, 44.328, 241.364



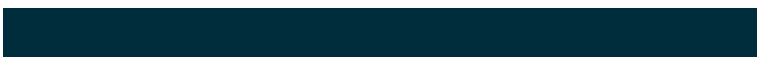
49, 81.075, 293.253



50, 3.992, 224.393



55, 35.640, 243.570



16, 15.468, 236.841

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



58, 88.049, 337.961



58, 95.823, 339.817



81, 71.850, 85.657



48, 7.424, 332.443



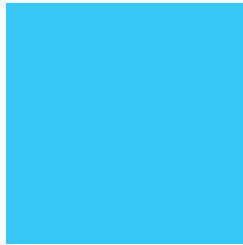
42, 76.032, 340.509



10, 34.583, 338.515

Previews

White Background



This preview shows how the CIELCh color 75, 39.971, 235.390 looks on a white background.

Color Contrast Check

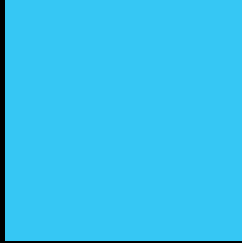
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 75, 39.971, 235.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 39.971, 235.390

Background



This preview shows how black text looks on a background with the CIELCh color 75, 39.971, 235.390.

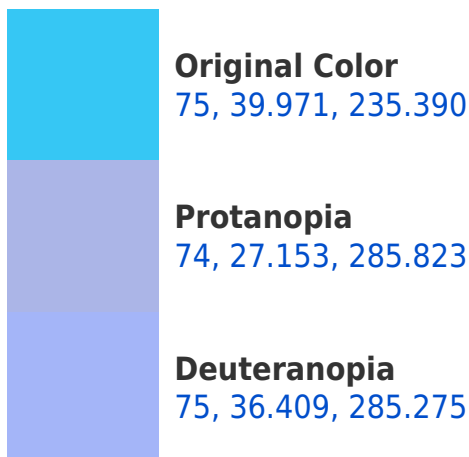


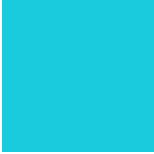
This preview shows how white text looks on a background with the CIELCh color 75, 39.971, 235.390.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
75, 39.870, 210.225

Trichromacy



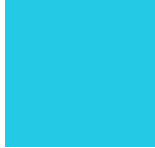
Original Color
75, 39.971, 235.390



Protanomaly
74, 30.526, 257.668



Deuteranomaly
74, 35.800, 262.664



Tritanomaly
75, 39.267, 219.048

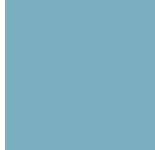
Monochromacy



Original Color
75, 39.971, 235.390



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 19.146, 225.760

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 39.971, 235.390 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(54, 199, 244)` looks like.

```
.text, #text, p{  
    color:rgb(54, 199, 244)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(54, 199, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 199, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 39.971, 235.390 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(54, 199, 244) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(54, 199, 244) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(54, 199, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 199, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 199, 244);  
box-shadow:4px 4px 4px 4px rgb(54, 199,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 39.971, 235.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 199, 244) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(54, 199,  
244) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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